

REVEL15.ST25.txt
SEQUENCE LISTING



<110> REVEL, Michel
CHEBATH, Judith
LAPIDOT, Tsvee
KOLLET, Orit

<120> CHIMERIC INTERLEUKIN-6 SOLUBLE RECEPTOR/LIGAND PROTEIN, ANALOGS
THEREOF AND USES THEREOF

<130> REVEL=15

<140> 09/462,416

<141> 2000-04-13

<150> PCT/IL98/00321

<151> 1998-07-09

<150> IL 121284

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<150> IL 122818

<151> 1997-12-30

<160> 13

<170> PatentIn version 3.3

<210> 1

<211> 13

<212> PRT

<213> Artificial sequence

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Glu Phe Gly Ala Gly Leu Val Leu Gly Gly Gln Phe Met
1 5 10

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ctagtgggcc cggggtggcg gg

22

<210> 3

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<213> Artificial Sequence

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gactagtagc tatgaactcc ttctc

25

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<400> 4
 agggccattt gccgaagagc c

21

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 gatccgggcg gcgggggagg ggggcccggg c

31

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 <212> PRT
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<400> 6

Gly Gly Gly Gly Asp Pro Gly Gly Gly Gly Gly Gly Pro Gly
 1 5 10

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Met Leu Ala Val Gly Cys Ala Leu Leu Ala Ala Leu Leu Ala Ala Pro
 1 5 10 15

Gly Ala Ala Leu Ala Pro Arg Arg Cys Pro Ala Gln Glu Val Ala Arg
 20 25 30

Gly Val Leu Thr Ser Leu Pro Gly Asp Ser Val Thr Leu Thr Cys Pro
 35 40 45

Gly Val Glu Pro Glu Asp Asn Ala Thr Val His Trp Val Leu Arg Lys
 50 55 60

Pro Ala Ala Gly Ser His Pro Ser Arg Trp Ala Gly Met Gly Arg Arg
 65 70 75 80

Leu Leu Leu Arg Ser Val Gln Leu His Asp Ser Gly Asn Tyr Ser Cys
 85 90 95

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Tyr Arg Ala Gly Arg Pro Ala Gly Thr Val His Leu Leu Val Asp Val
 100 105 110
 Pro Pro Glu Glu Pro Gln Leu Ser Cys Phe Arg Lys Ser Pro Leu Ser
 115 120 125
 Asn Val Val Cys Glu Trp Gly Pro Arg Ser Thr Pro Ser Leu Thr Thr
 130 135 140
 Lys Ala Val Leu Leu Val Arg Lys Phe Gln Asn Ser Pro Ala Glu Asp
 145 150 155 160
 Phe Gln Glu Pro Cys Gln Tyr Ser Gln Glu Ser Gln Lys Phe Ser Cys
 165 170 175
 Gln Leu Ala Val Pro Glu Gly Asp Ser Ser Phe Tyr Ile Val Ser Met
 180 185 190
 Cys Val Ala Ser Ser Val Gly Ser Lys Phe Ser Lys Thr Gln Thr Phe
 195 200 205
 Gln Gly Cys Gly Ile Leu Gln Pro Asp Pro Pro Ala Asn Ile Thr Val
 210 215 220
 Thr Ala Val Ala Arg Asn Pro Arg Trp Leu Ser Val Thr Trp Gln Asp
 225 230 235 240
 Pro His Ser Trp Asn Ser Ser Phe Tyr Arg Leu Arg Phe Glu Leu Arg
 245 250 255
 Tyr Arg Ala Glu Arg Ser Lys Thr Phe Thr Thr Trp Met Val Lys Asp
 260 265 270
 Leu Gln His His Cys Val Ile His Asp Ala Trp Ser Gly Leu Arg His
 275 280 285
 Val Val Gln Leu Arg Ala Gln Glu Glu Phe Gly Gln Gly Glu Trp Ser
 290 295 300
 Glu Trp Ser Pro Glu Ala Met Gly Thr Pro Trp Thr Glu Ser Arg Ser
 305 310 315 320
 Pro Pro Ala Glu Asn Glu Val Ser Thr Pro Met Gln Ala Leu Thr Thr
 325 330 335
 Asn Lys Asp Asp Asp Asn Ile Leu Phe Arg Asp Ser Ala Asn Ala Thr
 340 345 350
 Ser Leu Pro Val Glu Phe Met Pro Val Pro Pro Gly Glu Asp Ser Lys
 355 360 365

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Asp Val Ala Ala Pro His Arg Gln Pro Leu Thr Ser Ser Glu Arg Ile
370 375 380

Asp Lys Gln Ile Arg Tyr Ile Leu Asp Gly Ile Ser Ala Leu Arg Lys
385 390 395 400

Glu Thr Cys Asn Lys Ser Asn Met Cys Glu Ser Ser Lys Glu Ala Leu
405 410 415

Ala Glu Asn Asn Leu Asn Leu Pro Lys Met Ala Glu Lys Asp Gly Cys
420 425 430

Phe Gln Ser Gly Phe Asn Glu Glu Thr Cys Leu Val Lys Ile Ile Thr
435 440 445

Gly Leu Leu Glu Phe Glu Val Tyr Leu Glu Tyr Leu Gln Asn Arg Phe
450 455 460

Glu Ser Ser Glu Glu Gln Ala Arg Ala Val Gln Met Ser Thr Lys Val
465 470 475 480

Leu Ile Gln Phe Leu Gln Lys Lys Ala Lys Asn Leu Asp Ala Ile Thr
485 490 495

Thr Pro Asp Pro Thr Thr Asn Ala Ser Leu Leu Thr Lys Leu Gln Ala
500 505 510

Gln Asn Gln Trp Leu Gln Asp Met Thr Thr His Leu Ile Leu Arg Ser
515 520 525

Phe Lys Glu Phe Leu Gln Ser Ser Leu Arg Ala Leu Arg Gln Met
530 535 540

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<213> Artificial Sequence

<220>
<223> synthetic

<400> 8

Met Asn Ser Phe Ser Thr Ser Ala Phe Gly Pro Val Ala Phe Ser Leu
1 5 10 15

Gly Leu Leu Leu Val Leu Pro Ala Ala Phe Pro Ala Pro Val Pro Pro
20 25 30

Gly Glu Asp Ser Lys Asp Val Ala Ala Pro His Arg Gln Pro Leu Thr
35 40 45

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Ser Ser Glu Arg Ile Asp Lys Gln Ile Arg Tyr Ile Leu Asp Gly Ile
50 55 60

Ser Ala Leu Arg Lys Glu Thr Cys Asn Lys Ser Asn Met Cys Glu Ser
65 70 75 80

Ser Lys Glu Ala Leu Ala Glu Asn Asn Leu Asn Leu Pro Lys Met Ala
85 90 95

Glu Lys Asp Gly Cys Phe Gln Ser Gly Phe Asn Glu Glu Thr Cys Leu
100 105 110

Val Lys Ile Ile Thr Gly Leu Leu Glu Phe Glu Val Tyr Leu Glu Tyr
115 120 125

Leu Gln Asn Arg Phe Glu Ser Ser Glu Glu Gln Ala Arg Ala Val Gln
130 135 140

Met Ser Thr Lys Val Leu Ile Gln Phe Leu Gln Lys Lys Ala Lys Asn
145 150 155 160

Leu Asp Ala Ile Thr Thr Pro Asp Pro Thr Thr Asn Ala Ser Leu Leu
165 170 175

Thr Lys Leu Gln Ala Gln Asn Gln Trp Leu Gln Asp Met Thr Thr His
180 185 190

Leu Ile Leu Arg Ser Phe Lys Glu Phe Leu Gln Ser Ser Leu Arg Ala
195 200 205

Leu Arg Gln Met Gly Gly Gly Gly Asp Pro Gly Gly Gly Gly Gly Gly
210 215 220

Pro Gly Val Pro Pro Glu Glu Pro Gln Leu Ser Cys Phe Arg Lys Ser
225 230 235 240

Pro Leu Ser Asn Val Val Cys Glu Trp Gly Pro Arg Ser Thr Pro Ser
245 250 255

Leu Thr Thr Lys Ala Val Leu Leu Val Arg Lys Phe Gln Asn Ser Pro
260 265 270

Ala Glu Asp Phe Gln Glu Pro Cys Gln Tyr Ser Gln Glu Ser Gln Lys
275 280 285

Phe Ser Cys Gln Leu Ala Val Pro Glu Gly Asp Ser Ser Phe Tyr Ile
290 295 300

Val Ser Met Cys Val Ala Ser Ser Val Gly Ser Lys Phe Ser Lys Thr
305 310 315 320

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Gln Thr Phe Gln Gly Cys Gly Ile Leu Gln Pro Asp Pro Pro Ala Asn
325 330 335

Ile Thr Val Thr Ala Val Ala Arg Asn Pro Arg Trp Leu Ser Val Thr
340 345 350

Trp Gln Asp Pro His Ser Trp Asn Ser Ser Phe Tyr Arg Leu Arg Phe
355 360 365

Glu Leu Arg Tyr Arg Ala Glu Arg Ser Lys Thr Phe Thr Thr Trp Met
370 375 380

Val Lys Asp Leu Gln His His Cys Val Ile His Asp Ala Trp Ser Gly
385 390 395 400

Leu Arg His Val Val Gln Leu Arg Ala Gln Glu Glu Phe Gly Gln Gly
405 410 415

Glu Trp Ser Glu Trp Ser Pro Glu Ala Met Gly Thr Pro Trp Thr Glu
420 425 430

Ser Arg Ser Pro Pro Ala Glu Asn Glu Val Ser Thr Pro Met Gln Ala
435 440 445

Leu Thr Thr Asn Lys Asp Asp Asp Asn Ile Leu Phe Arg Asp Ser Ala
450 455 460

Asn Ala Thr Ser Leu Pro Val
465 470

<210> 9
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 9
gcgacaagcc tcccagtgga attc

24

<210> 10
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> synthetic

<400> 10
cagtaccgga attcatgc

18

<210> 11
<211> 31
<212> DNA
<213> Artificial Sequence

<220>

<223> synthetic

<400> 11

catggcccg ggcctcctcc cccgccgccc g

31

<210> 12

<211> 22

<212> DNA

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<223> synthetic

<400> 12

gatccccgcc accccgggccc ca

22

<210> 13

<211> 553

<212> PRT

<213> Artificial

<220>

<223> synthetic

<400> 13

Met Leu Ala Val Gly Cys Ala Leu Leu Ala Ala Leu Leu Ala Ala Pro
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Gly Ala Ala Leu Ala Pro Arg Arg Cys Pro Ala Gln Glu Val Ala Arg
 20 25 30

Gly Val Leu Thr Ser Leu Pro Gly Asp Ser Val Thr Leu Thr Cys Pro
 35 40 45

Gly Val Glu Pro Glu Asp Asn Ala Thr Val His Trp Val Leu Arg Lys
 50 55 60

Pro Ala Ala Gly Ser His Pro Ser Arg Trp Ala Gly Met Gly Arg Arg
 65 70 75 80

Leu Leu Leu Arg Ser Val Gln Leu His Asp Ser Gly Asn Tyr Ser Cys
 85 90 95

Tyr Arg Ala Gly Arg Pro Ala Gly Thr Val His Leu Leu Val Asp Val
 100 105 110

Pro Pro Glu Glu Pro Gln Leu Ser Cys Phe Arg Lys Ser Pro Leu Ser
 115 120 125

Asn Val Val Cys Glu Trp Gly Pro Arg Ser Thr Pro Ser Leu Thr Thr
 130 135 140

Lys Ala Val Leu Leu Val Arg Lys Phe Gln Asn Ser Pro Ala Glu Asp
 145 150 155 160

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Phe Gln Glu Pro Cys₁₆₅ Gln Tyr Ser Gln Glu₁₇₀ Ser Gln Lys Phe Ser Cys₁₇₅
 Gln Leu Ala Val₁₈₀ Pro Glu Gly Asp Ser₁₈₅ Ser Phe Tyr Ile Val₁₉₀ Ser Met
 Cys Val₁₉₅ Ala Ser Ser Val Gly Ser₂₀₀ Lys Phe Ser Lys Thr₂₀₅ Gln Thr Phe
 Gln Gly₂₁₀ Cys Gly Ile Leu Gln₂₁₅ Pro Asp Pro Pro Ala₂₂₀ Asn Ile Thr Val
 Thr₂₂₅ Ala Val₂₃₀ Ala Arg Asn₂₃₅ Pro Arg Trp Leu Ser₂₄₀ Val Thr Trp Gln Asp
 Pro His Ser Trp Asn₂₄₅ Ser Ser Phe Tyr Arg₂₅₀ Leu Arg Phe Glu Leu₂₅₅ Arg
 Tyr Arg Ala Glu₂₆₀ Arg Ser Lys Thr Phe₂₆₅ Thr Thr Trp Met Val₂₇₀ Lys Asp
 Leu Gln His₂₇₅ His Cys Val Ile His₂₈₀ Asp Ala Trp Ser Gly₂₈₅ Leu Arg His
 Val₂₉₀ Val Gln Leu Arg Ala Gln₂₉₅ Glu Glu Phe Gly Gln₃₀₀ Gly Glu Trp Ser
 Glu₃₀₅ Trp Ser Pro Glu Ala₃₁₀ Met Gly Thr Pro Trp₃₁₅ Thr Glu Ser Arg Ser₃₂₀
 Pro Pro Ala Glu Asn₃₂₅ Glu Val Ser Thr Pro₃₃₀ Met Gln Ala Leu Thr₃₃₅ Thr
 Asn Lys Asp Asp₃₄₀ Asp Asn Ile Leu Phe₃₄₅ Arg Asp Ser Ala Asn₃₅₀ Ala Thr
 Ser Leu Pro₃₅₅ Val Glu Phe Gly Ala₃₆₀ Gly Leu Val Leu Gly₃₆₅ Gly Gln Phe
 Met Pro₃₇₀ Val Pro Pro Gly Glu₃₇₅ Asp Ser Lys Asp Val₃₈₀ Ala Ala Pro His
 Arg₃₈₅ Gln Pro Leu Thr Ser₃₉₀ Ser Glu Arg Ile Asp₃₉₅ Lys Gln Ile Arg Tyr₄₀₀
 Ile Leu Asp Gly₄₀₅ Ile Ser Ala Leu Arg Lys₄₁₀ Glu Thr Cys Asn Lys₄₁₅ Ser
 Asn Met Cys Glu₄₂₀ Ser Ser Lys Glu Ala₄₂₅ Leu Ala Glu Asn Asn₄₃₀ Leu Asn

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Leu Pro Lys Met Ala Glu Lys Asp Gly Cys Phe Gln Ser Gly Phe Asn
 435 440 445
 Glu Glu Thr Cys Leu Val Lys Ile Ile Thr Gly Leu Leu Glu Phe Glu
 450 455 460
 Val Tyr Leu Glu Tyr Leu Gln Asn Arg Phe Glu Ser Ser Glu Glu Gln
 465 470 475 480
 Ala Arg Ala Val Gln Met Ser Thr Lys Val Leu Ile Gln Phe Leu Gln
 485 490 495
 Lys Lys Ala Lys Asn Leu Asp Ala Ile Thr Thr Pro Asp Pro Thr Thr
 500 505 510
 Asn Ala Ser Leu Leu Thr Lys Leu Gln Ala Gln Asn Gln Trp Leu Gln
 515 520 525
 Asp Met Thr Thr His Leu Ile Leu Arg Ser Phe Lys Glu Phe Leu Gln
 530 535 540
 Ser Ser Leu Arg Ala Leu Arg Gln Met
 545 550